

| Form PTO-1449 (Rev. 8-83) | | U.S. Department of Commerce | | Atty. Docket No. D-20,920 | | Serial No. | | | | | | | | |
|---|-----------------|--|---|--------------------------------|---|-----------------------------|---|---------------|---------------------|---------|-------|----------|-------------------------------|----|
| Information Disclosure Citation (Use several sheets if necessary) | | | | Applicants Montalvão et al. | | PTO 10/01448 12/14/01 | | | | | | | | |
| | | | | Filing Date 12/14/2001 | | | | Group 1723 | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | | |
| Examiner Initial | Document Number | | | | | | | | Date | Name | Class | Subclass | Filing Date if Appropriate | |
| | 3 | 2 | 5 | 6 | 8 | 0 | 2 | | | | | | | |
| DR | 3 | 2 | 5 | 6 | 8 | 0 | 2 | 6/21/66 | Karr | 99 | 275 | | | |
| DR | 3 | 3 | 2 | 3 | 7 | 8 | 3 | 6/6/67 | Schwertfeger et al. | 261 | 35 | | | |
| DR | 3 | 5 | 5 | 2 | 7 | 2 | 6 | 1/5/71 | Kraft | 261 | 50 | | | |
| DR | 3 | 5 | 8 | 3 | 6 | 0 | 1 | 6/8/71 | Ayers | 222 | 1 | | | |
| DR | 3 | 7 | 8 | 0 | 1 | 9 | 8 | 12/18/73 | Pahl et al. | 426 | 477 | | | |
| DR | 3 | 8 | 7 | 7 | 3 | 5 | 8 | 4/15/75 | Karr | 99 | 275 | | | |
| DR | 3 | 9 | 6 | 0 | 1 | 6 | 4 | 6/1/76 | Kelley | 137 | 202 | | | |
| DR | 4 | 1 | 1 | 2 | 8 | 2 | 8 | 9/12/78 | Mojonnier et al. | 99 | 275 | | | |
| DR | 4 | 1 | 8 | 7 | 2 | 6 | 2 | 2/5/80 | Fessler et al. | 261 | 50 | | | |
| DR | 4 | 1 | 9 | 1 | 7 | 8 | 4 | 3/4/80 | Mojonnier et al. | 426 | 475 | | | |
| DR | 4 | 2 | 6 | 5 | 1 | 6 | 7 | 5/5/81 | Mojonnier et al. | 99 | 323.2 | | | |
| DR | 4 | 2 | 6 | 5 | 3 | 7 | 6 | 5/5/81 | Skidell | 222 | 189 | | | |
| DR | 4 | 3 | 5 | 2 | 6 | 7 | 9 | 10/5/82 | Notardonato et al. | 55 | 38 | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | |
| | Document Number | | | | | | | | Date | Country | Class | Subclass | Translation | |
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| Other Documents (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | | |
| DR | | Yoshiharu, M., "Effective ultrasonic cleaning. Vacuum deaerator", Surface Control & Senjo Sekkei, (1994) No. 64, pp. 54-60 (Abstract) | | | | | | | | | | | | |
| DR | | Hiroyuki, A., "Research of the water treatment technique using cavitation effect. 2.", Shigaken Tohokubu Kogyo Gijutsu Senta Gyomu Hokokusho (1999), Vol. 1998, p. 31 (Abstract) | | | | | | | | | | | | |
| DR | | Strasberg, M., "Onset of Ultrasonic Cavitation in Tap Water", Journal of the Acoustical Society of America, Vol. 31, No. 2 (1959), pp. 163-176 | | | | | | | | | | | | |
| DR | | Booker, R.E., "Problems in the Measurement of Longitudinal Sapwood Permeability and Hydraulic Conductivity", N.Z.J. For. Sci. 7(3), pp. 297-306 (1977) | | | | | | | | | | | | |
| Examiner | | Date Considered | | | | | | | | | | | | |
| | | <div style="display: flex; justify-content: space-between;"> <i>David A. Reifinger</i> 6/2003 </div> | | | | | | | | | | | | |
| * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | | | | | |

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| Form PTO-1449 (Rev. 8-83) | | U.S. Department of Commerce | | Atty. Docket No. D-20,920 | | Serial No. 10/614480 | | | | | | |
| Information Disclosure Citation (Use several sheets if necessary) | | | | Applicants Montalvão et al. | | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
| Examiner Initial | | | | | | | | Date | Name | Class | Subclass | Filing Date if Appropriate |
| DR | 4 | 4 | 8 | 2 | 5 | 0 | 9 | 11/13/84 | Iannelli | 261 | 64 B | |
| DR | 4 | 5 | 1 | 8 | 5 | 4 | 1 | 5/21/85 | Harris | 261 | 27 | |
| DR | 4 | 7 | 0 | 8 | 8 | 2 | 7 | 11/24/87 | McMillin | 261 | 35 | |
| DR | 4 | 7 | 4 | 3 | 4 | 0 | 5 | 5/10/88 | Durão et al. | 261 | 76 | |
| DR | 4 | 8 | 8 | 2 | 0 | 9 | 7 | 11/21/89 | Shannon | 261 | 35 | |
| DR | 5 | 2 | 1 | 1 | 9 | 1 | 6 | 5/18/93 | Cheng | 422 | 107 | |
| DR | 5 | 3 | 0 | 2 | 3 | 2 | 5 | 4/12/94 | Cheng | 261 | 76 | |
| DR | 5 | 3 | 5 | 6 | 6 | 0 | 0 | 10/18/94 | Kiyonaga et al. | 422 | 234 | |
| DR | 5 | 4 | 7 | 4 | 7 | 1 | 7 | 12/12/95 | Bucher et al. | 261 | 140.1 | |
| DR | 5 | 7 | 9 | 2 | 3 | 9 | 1 | 8/11/98 | Vogel et al. | 261 | 121.1 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | |
| Document Number | | | | | | | Date | Country | Class | Subclass | Translation Yes No | |
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| Other Documents (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | |
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| Examiner David A. Reifmeyer | | | | | | | Date Considered 6/2003 | | | | | |
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